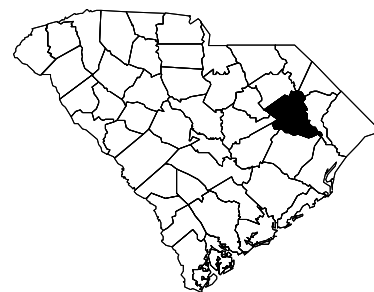


# IMPACT OF CHRONIC CONDITIONS FLORENCE County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Florence county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Florence county's population is similar to the state population. The majority (39%) of the population in Florence county are between the ages of 18-44, and there are more females (53%) than males (47%). However, Florence county has a higher minority population (42%) than the state (32%). When adults in Florence county were asked about their general health status, 78% reported having excellent, very good, or good health in 2002 (SC was 83%).

	FLORENCE	STATE
<b>Population size</b>	127,237	4,107,183
<b>Age distribution (%)</b>		
<18	24	24
18-44	39	40
45-64	25	24
65-84	10	11
85+	2	1
<b>Race (%)</b>		
White	59	68
Black & Other	42	32
<b>Sex (%)</b>		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Florence county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	28	27
Sedentary lifestyle	36	42
Overweight	62	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	26.4	.	.	.	.	28.4
Number of hospitalizations	299	200	99	106	193	5,173
Standard rate of hospitalizations (per 100,000)	235	449	118	195	267	125
Median age of hospitalized patients	63	58	68	58	68	63
Total cost of hospitalization (\$)	3,907,800	2,686,100	1,221,700	1,474,300	2,433,500	79,350,400
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	332	226	106	141	191	7,306
Standard rate of ED visits (per 100,000)	257	476	127	245	267	175
Median age of ED patients	53	48	63	48	53	53
Total cost of ED visits (\$)	275,200	184,900	90,300	102,000	173,200	5,902,800
Number of deaths*	13	10	3	4	9	366
Standard death rate (per 100,000)*	10	24	4	9	12	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.53	.	.	.	.	5.13
Number of hospitalizations	1,116	309	807	661	455	30,831
Standard rate of hospitalizations (per 100,000)	863	714	936	1,201	604	734
Median age of hospitalized patients	68	63	68	63	68	68
Total cost of hospitalization (\$)	38,205,200	8,667,000	29,538,200	24,304,200	13,901,000	969,122,700
Average length of hospital stay (days)	5	5	6	5	6	5
Number of ED visits	72	36	36	31	41	2,754
Standard rate of ED visits (per 100,000)	57	80	42	58	57	66
Median age of ED patients	68	63	68	63	68	63
Total cost of ED visits (\$)	149,700	43,500	106,200	114,800	34,900	10,617,900
Number of deaths*	390	134	256	195	195	9,723
Standard death rate (per 100,000)*	315	343	302	423	243	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.6	.	.	.	.	2.38
Number of hospitalizations	705	273	432	304	401	14,317
Standard rate of hospitalizations (per 100,000)	557	654	507	590	530	351
Median age of hospitalized patients	73	63	78	68	73	73
Total cost of hospitalization (\$)	13,532,400	5,301,300	8,231,100	5,719,100	7,813,300	279,819,700
Average length of hospital stay (days)	6	7	6	6	7	6
Number of ED visits	89	43	46	36	53	2,732
Standard rate of ED visits (per 100,000)	70	104	53	76	69	67
Median age of ED patients	73	68	73	73	73	73
Total cost of ED visits (\$)	193,300	103,300	90,000	79,000	114,300	6,322,600
Number of deaths*	118	53	64	46	72	2,816
Standard death rate (per 100,000)*	96	141	76	109	90	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	733	264	469	299	434	14,524
Standard rate of hospitalizations (per 100,000)	571	559	559	558	600	351
Median age of hospitalized patients	58	48	63	58	58	58
Total cost of hospitalization (\$)	9,627,800	3,330,100	6,297,700	4,358,000	5,269,800	198,700,700
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	1,608	967	641	669	939	37,517
Standard rate of ED visits (per 100,000)	1,269	1,826	855	1,134	1,406	914
Median age of ED patients	33	28	38	23	33	33
Total cost of ED visits (\$)	1,259,400	721,800	537,600	566,200	693,200	30,607,600
Number of deaths*	54	15	39	22	32	1,891
Standard death rate (per 100,000)*	43	36	46	52	42	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.55	.	.	.	.	8.33
Number of hospitalizations	580	381	199	266	314	8,652
Standard rate of hospitalizations (per 100,000)	451	837	239	467	430	207
Median age of hospitalized patients	53	48	58	48	53	53
Total cost of hospitalization (\$)	9,489,400	6,374,500	3,114,900	4,132,100	5,357,300	127,167,500
Average length of hospital stay (days)	6	6	6	6	6	6
Number of ED visits	441	339	102	188	253	9,316
Standard rate of ED visits (per 100,000)	341	733	124	326	347	224
Median age of ED patients	53	53	53	48	53	53
Total cost of ED visits (\$)	413,800	312,700	101,100	175,300	238,500	8,261,100
Number of deaths*	51	31	20	13	7	1,114
Standard death rate (per 100,000)*	41	81	24	37	15	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	977	419	558	351	626	24,644
Standard rate of hospitalizations (per 100,000)	762	916	662	643	887	591
Median age of hospitalized patients	58	53	63	63	53	58
Total cost of hospitalization (\$)	25,799,000	11,086,000	14,713,000	10,803,300	14,995,700	605,119,300
Average length of hospital stay (days)	7	7	7	8	6	6
Number of deaths*	276	103	173	140	136	8,320
Standard death rate (per 100,000)*	217	253	201	264	183	203

COLORECTAL CANCED	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	99	22	77	42	57	2,113
Standard rate of hospitalizations (per 100,000)	77	51	90	76	78	51
Median age of hospitalized patients	68	63	68	68	68	68
Total cost of hospitalization (\$)	5,017,800	1,232,200	3,785,600	1,862,100	3,155,700	80,248,200
Average length of hospital stay (days)	11	11	11	10	12	10
Number of deaths*	30	10	20	19	11	807
Standard death rate (per 100,000)*	23	23	23	32	15	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	63	25	38	.	63	1,465
Standard rate of hospitalizations (per 100,000)	48	53	44	.	87	35
Median age of hospitalized patients	58	53	63	.	58	63
Total cost of hospitalization (\$)	1,071,500	564,600	506,900	.	1,071,500	21,213,600
Average length of hospital stay (days)	3	4	2	.	3	3
Number of deaths*	26	11	15	-	26	630
Standard death rate (per 100,000)*	21	26	18	-	36	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	5	6	5	.	10	5
Median age of hospitalized patients	58	58	50	.	58	48
Total cost of hospitalization (\$)	118,200	23,000	95,200	.	118,200	3,668,300
Average length of hospital stay (days)	3	2	5	.	4	4
Number of deaths*	3	1	-	4	3	26
Standard death rate (per 100,000)*	8	1	-	6	5	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	87	28	59	60	27	2,154
Standard rate of hospitalizations (per 100,000)	68	68	68	111	36	51
Median age of hospitalized patients	68	68	68	68	73	68
Total cost of hospitalization (\$)	2,697,600	922,300	1,775,300	1,746,100	951,500	70,474,400
Average length of hospital stay (days)	11	10	12	8	17	9
Number of deaths*	75	20	55	47	28	2,481
Standard death rate (per 100,000)*	58	48	64	83	38	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	38	15	23	38	.	1,353
Standard rate of hospitalizations (per 100,000)	29	36	26	70	.	32
Median age of hospitalized patients	68	68	68	68	.	68
Total cost of hospitalization (\$)	886,800	471,700	415,100	886,800	.	24,726,200
Average length of hospital stay (days)	4	5	4	4	.	4
Number of deaths*	8	5	3	8	-	478
Standard death rate (per 100,000)*	6	13	3	20	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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